



Osaka Plant



Training at "Takumi-no-Mori" skills training center

Komatsu's Manufacturing Structure for Assuring Superior Product Quality and Reliability (Part 2: Osaka Plant)



Osaka Technical Center and satoyama (domestic woodland and biotope pond)

Komatsu's Osaka Plant is located in Hirakata City between the international cities of Osaka and Kyoto. It was established in 1952 for full-scale production and sale of Komatsu construction equipment and this year marks its 61st year in operation. The plant is a base for the development and production of large-size bulldozers and medium- to large-size hydraulic excavators. In 2011, the year in which Komatsu celebrated its 90th anniversary, the Osaka Technical Center (OTC) was established within the Osaka Plant premises. The facility has brought together the development, production, procurement and shipping departments in one location, further strengthening interdepartmental collaboration. The OTC houses the Global Hansei Operation Center, which integrates sales management and production. Utilizing information and communication technology (ICT), the operation center manages the day-to-day status of sales, production and inventory data around the world and makes production plans on a global scale.

Global Hansei Operation Center



In 2013, the new Manufacturing Engineering Development Center was completed on the plant premises for the development of new production technologies as well as research and development into practical applications of these technologies.

Some 2,800 employees*1 at the Osaka Plant are working to support quality, cost and delivery (QCD) of its products that are being supplied globally.

*1: As of April 30, 2013

Main Products

The Osaka Plant primarily produces medium- to large-size hydraulic excavators, large-size

Virtual reality evaluation system



Manufacturing Engineering Development Center



Mounting an operator's cabin on a medium-size hydraulic excavator



Inspection line for hydraulic excavators

bulldozers and mobile crushers. In particular, the Osaka Plant is the sole production site for large-size bulldozers for shipment to customers worldwide.

The Osaka Plant has two assembly shops, in which the assembly line for medium-size hydraulic excavators is positioned as the global model line for hydraulic excavators manufactured worldwide.

The Rokko Plant in Kobe City, the sub-facility of the Osaka Plant, complements overseas production capacity as well as assembles super-large hydraulic excavators and super-large bulldozers by taking advantage of its proximity to Kobe Port to keep transport costs low.

In addition to the production of construction equipment, the Osaka Plant produces such key components as final drive units and generator motors for hybrid excavators and supplies them to main body assembly sites overseas.

Main Products

	Models
Hydraulic excavators	
Medium size	PC160 to PC400
Large size	PC600 to PC2000
Hybrid	HB205 and HB215LC
Crawler dozers	D155 to D575
Mobile crushers/recyclers	BR100 to BR580 BR120T and BR200T BZ120 and BZ210

Mission of the Osaka Plant: Applying Technologies, Enhancing Skills and Improving Production

The Osaka Plant takes on the role of the Mother Plant for the 17 production sites overseas manufacturing the same products and components. Besides striving to boost safety, quality, cost and delivery (SQCD) at the plant, efforts to improve global production, including at its 17 Child Plants, are being made through the application of new production technologies to overseas production sites as well as the enhancement of skills.

In order to fulfill these roles, the Osaka Plant must improve the skills of its own workforce and

pass them on. Accordingly, the plant has newly established the "Takumi-no-Mori" skills training center to conduct training in eight different skills (machining, assembly, welding, painting, heat treatment, maintenance, parts inspection and operating inspection). In 2012, the center accepted around 70 trainees from overseas to help enhance capabilities at production sites outside Japan. "Takumi-no-Mori" centers are also set up overseas at four*2 locations in China (two centers), Thailand and Indonesia.

These support initiatives are some of the key activities undertaken every year at the Osaka Plant to boost the quality of products manufactured overseas.

The plant also dually serves as a showroom, welcoming roughly 3,000 visitors from 40 countries in fiscal 2012 for explanations of and introduction to Komatsu's quality management and technological competencies in production.

*2: As of July 31, 2013

CSR Activities in a Residential Area

The Osaka Plant opens its welfare facilities to the local community, namely the athletic grounds, gymnasium, tennis court and futsal court. A public park (open 7:00-18:00) has been created next to the main gate for use as a place where local residents come to socialize and relax. An open day is held every year in November to introduce the Osaka Plant and Komatsu products.

In addition, a hands-on learning class will be provided to elementary school children from autumn 2013. The class is taught by former employees of the Osaka Plant to give the children a chance to learn about the basics of construction equipment in a fun way.

In that the Osaka Plant is an urban production facility within a residential zone, particular emphasis is placed on the environment in its efforts to become a plant that is rooted in the local community.

Rugby class in the Osaka Plant's athletic ground



Overseas Child Plants of the Osaka Plant

Region	Child Plants	A	B	C
The Americas	Komatsu America Corp. Chattanooga Manufacturing Operation (CMO)			
	Komatsu America Corp. Peoria Manufacturing Operation (PMO)			
	Komatsu America Corp. (KAC) Master Parts Distribution Center			
	Komatsu do Brasil Ltda (KDB)			
Europe	Komatsu UK Ltd (KUK)			
	Komatsu Manufacturing Rus, LLC (KMR)			
	Komatsu Forest AB (KFAB)			
	Komatsu Mining Germany GmbH (KMG)			
Asia/Oceania	Bangkok Komatsu Co., Ltd. (BKC)			
	PT Komatsu Indonesia (KI)			
	PT Komatsu Undercarriage Indonesia (KUI)			
	PT Komatsu Patria Attachment (KPA)			
China	Komatsu Shantui Construction Machinery Co., Ltd. (KSC)			
	Komatsu (Changzhou) Construction Machinery Corp. (KCCM)			
	Komatsu (Shandong) Construction Machinery Corp. (KSD)			
	Komatsu Undercarriage China Corp. (KUCC)			
	Komatsu Construction Attachment Changzhou (KCAC)			
Total		6	4	7

A: These factories manufacture the same products as the Osaka Plant, which also serves as the Mother Plant for plant management and other aspects as well.

B: Although other plants serve as Mother Plants, these factories manufacture some of the same models as the Osaka Plant, which thereby serves as the Mother Plant for such specific models only.

C: These factories receive technical support for components from the Osaka Plant.

* For parts business operation

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